

TITLE OF THE INVENTION

DNA ENCODING MAMMALIAN HISTAMINE H4 RECEPTOR

ABSTRACT OF THE INVENTION

5 DNAs encoding the mammalian histamine H4 receptors have been cloned
and characterized. These recombinant molecules are capable of expressing
biologically active histamine H4 receptor protein. The cDNA's have been expressed
in recombinant host cells that produce active recombinant protein. The
pharmacology of known histamine ligands is demonstrated. The recombinant
10 protein may be purified from the recombinant host cells. In addition, recombinant
host cells are utilized to establish methods to identify modulators of the receptor
activity, and receptor modulators are identified.

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